JVC

INSTRUCTIONS

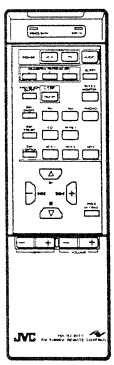
RX-809VTN/RX-808VBK

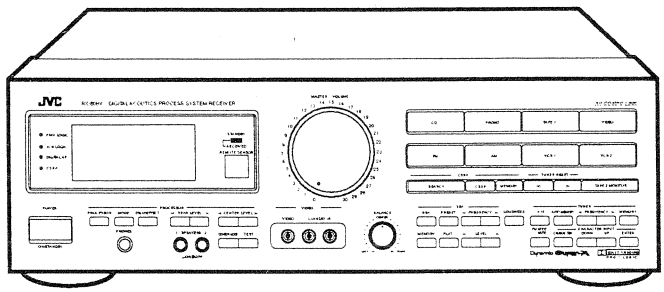
DIGITAL ACOUSTICS PROCESS SYSTEM RECEIVER

BEDIRNUNGSANLEITUNG: RECEIVER MIT DIGITAL-AKUSTIK-SYSTEM
MANUEL D'INSTRUCTIONS RECEPTEUR A PROCESSEUR ACOUSTIQUE NUMERIC
GEBRUIKSAANWIJZING: RECEIVER MET DIGITALE AKOESTIEK=PROCESSOR
MANUAL DE INSTRUCCIONES: RECEPTOR PARA SISTEMAS CON PROCESAMENTO ACUSTICO DIGITAL

AV COMPU LINK

COMPU LINK
Remote
Control Component





For Customer Use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

E30580-1939A
[C, U, G, BS, A, EF]

IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nontheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT.

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

THIS UNIT IS PRODUCED TO COMPLY WITH DIRECTIVE 76/889 EEC.

DIESES GERÄT ENTSPRICHT EG-RICHTLINIE 87/308 EWG.

CET APPAREIL A ETE FABRIQUE POUR ETRE CONFORME A LA DIRECTIVE CEE NUMERO 87/308/CEE.

DIT APPARAAT VOLDOET AAN DE EISEN GESTELD IN DE CEE BEPALING 87/308.

ESTA UNIDAD SE PRODUCE PARA CUMPLIR CON LA DIRECTIVA 87/308/CEE.

CONFORME AL D.M. 13 APRILE 1989 DIRETTIVA CEE/87/308.

IMPORTANT (CANADA ONLY/CANADA SEULEMENT)

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT

IMPORTANT FOR AC OUTLET(S)

Connect only the audio equipments. Moreover do not connect any equipments which have a power consumption exceeding the value indicated by the AC OUTLET(S).

ENGLISH

DEUTSCH

FRANÇAIS

NEDERLANDS

ESPAÑOL

Introduction

Thank you for purchasing the JVC RX-809VTN/RX-808VBK receiver. We hope it will be a valued addition to your audio system. Be sure to read these instructions carefully before installing and operating the receiver.

Features

- Dolby Pro Logic Surround
- DAP (Digital Acoustics Processor)
- 7-band S.E.A. Graphic Equalizer
- CSRP (COMPU LINK Source-Related Preset) System
- Remote Control with other manufacturers' preset control code

About This Manual

This manual gives you the basic information you need to install and use your receiver. It explains everything you need to know from turning the power switch on to basic troubleshooting. Please consult your JVC dealer if you have further questions about the receiver.

The following conventions are used in this manual:

- Controls, buttons, and connection points on the back of the receiver are indicated with capital letters, like this: POWER button, AUDIO jacks
- Messages that appear in the display window are indicated with capital letters and in quotes, like this: "TUNED"
- Instructions that you need to follow to get the correct results are labeled ***IMPORTANT!***
- Helpful information is labeled ***NOTE:***
- To avoid electric shock to yourself or damage to the receiver, read the information labeled ⚠ **CAUTION!**

This manual covers two models: the RX-809VTN and the RX-808VBK. The RX-808VBK is black in color, while the RX-809VTN is titanium.

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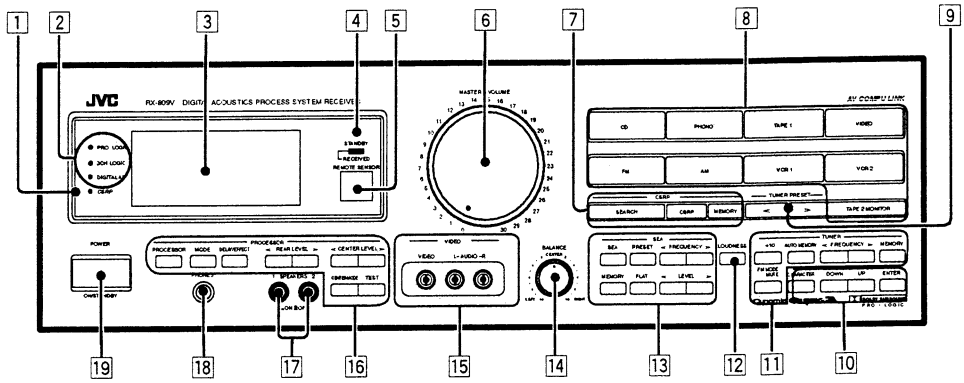
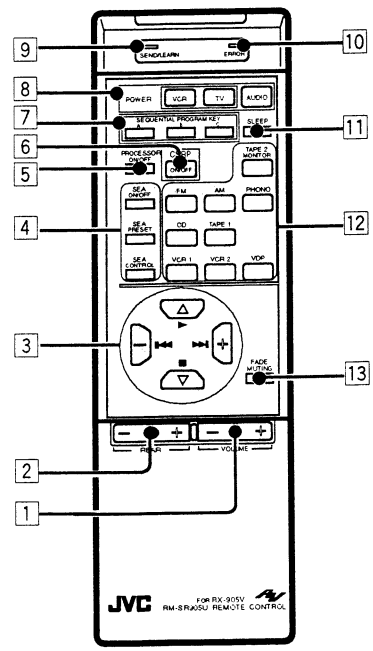
Switches and Controls

Familiarize yourself with the main switches and controls on your JVC RX-809VTN/RX-808VBK receiver.



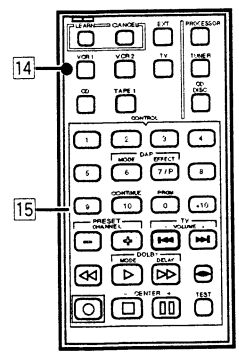
Receiver

1. CSRP indicator (Page 35)
2. SURROUND indicators (Page 27)
3. Display window (Page 15)
4. RECEIVED/POWER STANDBY indicator (Page 15)
5. REMOTE SENSOR window (Page 15)
6. MASTER VOLUME control (Page 22)
7. CSRP section buttons (Page 35)
8. SOURCE SELECT buttons (Page 16)
9. TUNER PRESET buttons (Page 19)
10. CHARACTER INPUT section buttons (Page 34)
11. TUNER section buttons (Page 18)
12. LOUDNESS button (Page 22)
13. SEA section buttons (Page 23)
14. BALANCE control (Page 22)
15. VIDEO jacks (Page 7)
16. PROCESSOR section buttons (Page 27)
17. SPEAKERS buttons (Page 22)
18. PHONES jack (Page 10)
19. POWER switch (Page 15)



Remote Control

1. VOLUME buttons (Page 22)
2. REAR buttons (Page 31)
3. Simple operation buttons (Page 38-40)
4. SEA section buttons (Page 23)
5. PROCESSOR ON/OFF button (Page 27)
6. CSRP ON/OFF button (Page 35)
7. SEQUENTIAL PROGRAM KEY section buttons (Page 43)
8. POWER section buttons (Page 40)
9. SEND/LEARN indicator (Page 15)
10. ERROR indicator (Page 15)
11. SLEEP button (Page 33)
12. SOURCE SELECT buttons (Page 16)
13. FADE MUTING buttons (Page 22)
14. CONTROL section buttons (Page 40)
15. Extended operation buttons (Page 38-44)



Installation

This section explains how to connect the receiver to other stereo equipment and speakers, and how to connect the power supply.

⚠ Cautions

Before Installation

⚠ **CAUTION!** Before installing your receiver:

- Make sure your hands are dry.
- Turn the power off to all components.
- Read the installation instructions for all components you are going to connect.

Positioning the Receiver

⚠ **CAUTION!**

- Install the receiver in a location that is level and protected from moisture.
- The temperature around the receiver must be between 23° and 104° F (-5° and 40° C).
- Make sure there is good ventilation around the receiver. Poor ventilation could cause overheating and damage the receiver.
- Place the receiver in a horizontal position only. Placing in a vertical position could damage the internal mechanism.

Making Power Connections

⚠ **CAUTION!**

- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grab the plug directly so as not to damage the cord.

Handling the Receiver

⚠ **CAUTION!**

- Do not insert any metal object into the receiver.
- Do not disassemble the receiver or remove screws, covers, or cabinet.
- Do not expose the receiver to rain or moisture.

Connecting Stereo Components

Before Starting

You can connect the following components to the receiver:

Audio components
- Turntable
- CD player
- Two tape decks

Video components
- Two VCRs
- Camcorder
- TV

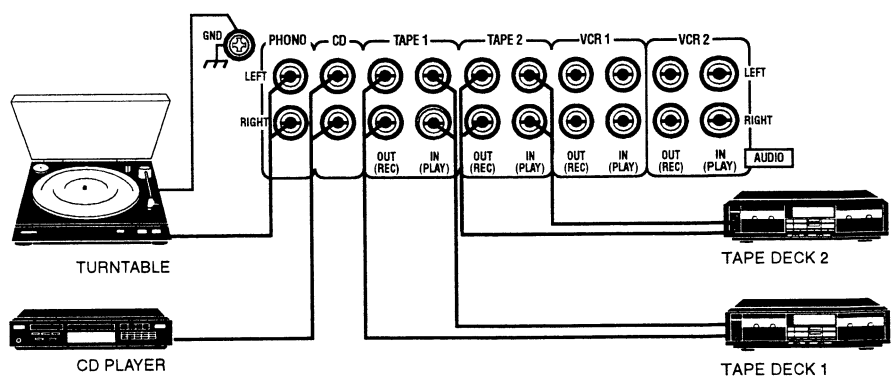
IMPORTANT! *The left channel of any audio component must be connected to the left-channel jack of the receiver, and the right channel to the right-channel jack. If they are reversed, the stereophonic image will not be correct.*

NOTE: *To ensure correct connections, insert the red plug into the right channel.*

Basic Connections for Audio Components

Connect stereo components to the amplifier using cables with RCA PIN plugs. If you are connecting a tape deck, connect the output jacks on the tape deck to the jacks marked IN (PLAY) on the receiver, and the input jacks to those marked OUT (REC).

NOTES:
- *Any turntables incorporating a small-output cartridge such as an MC (moving-coil type) must be connected to this amplifier through a commercial head amplifier or step-up transformer. Direct connection may result in insufficient volume.*
- *If a ground cable is fitted to your turntable, connect the cable to the screw marked GND on the rear panel.*



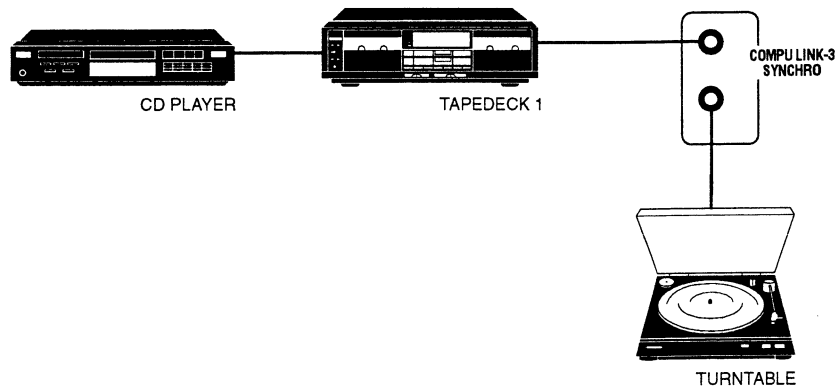
COMPU LINK-3 Connections

COMPU LINK-3 SYNCHRO jacks on the back of the receiver connect the COMPU LINK remote control system. This system connects other JVC audio components with the receiver to make listening and recording more convenient. To use this system, attach the cables provided with your JVC components to the COMPU LINK-3 SYNCHRO jacks on the rear panel of each component. Then connect the cables to the receiver.

NOTES:

- *COMPU LINK-3 is an upgraded version of COMPU LINK-1. If your equipment provides COMPU LINK-1 jacks, you can still connect your equipment, but slight imperfections may result. Automatic Power ON/OFF, for example, may not always function properly.*
- *Refer to page 37 for details about the COMPU LINK remote control system.*

⚠ **CAUTION!** Do not connect Tape Deck 2 to the COMPU LINK jacks. It may cause the COMPU LINK system to malfunction.

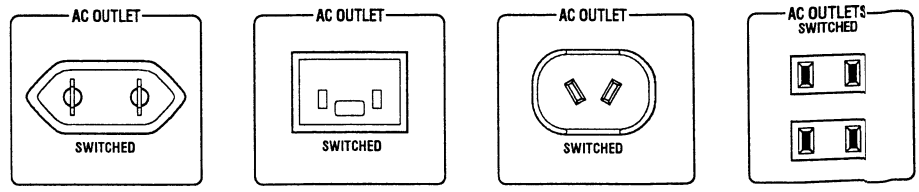


Other Audio Connections

Use the socket on the back of the receiver to connect the power supply of any audio components. By pressing the POWER switch on the remote control, you can turn the receiver, and all connected components, on or off at the same time.

⚠ **CAUTION!** Do not connect any components that consume more power than the capacity of the socket. This capacity is indicated below the socket on the back of the receiver.

IMPORTANT! *Do not use the AC OUTLET on the receiver to connect the power supply of the COMPU LINK component. Otherwise the COMPU LINK remote control system may not work correctly.*

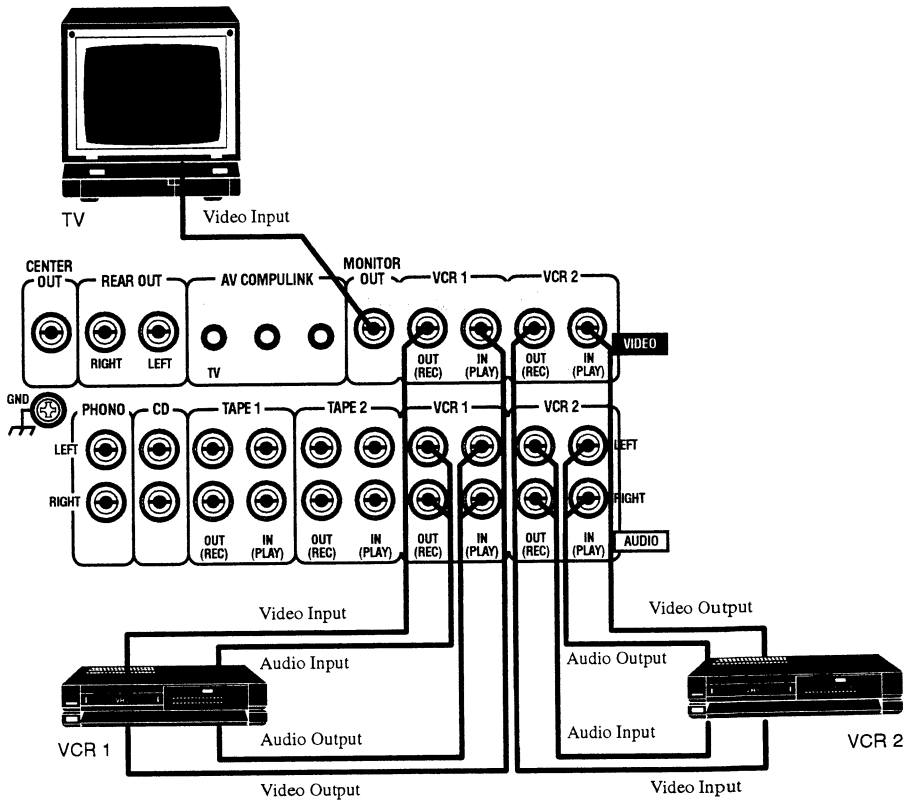


For continental Europe | For the U.K. | For Australia | For other areas

Basic Connections for Video Components

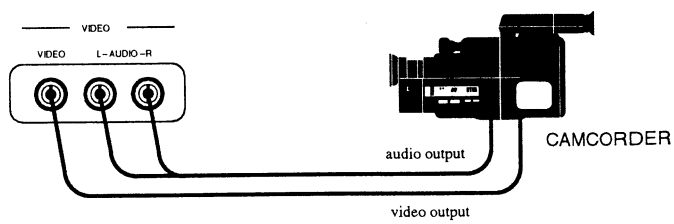
Connect the audio signal jacks of your video components to the AUDIO jacks on the receiver. Connect the video signal (composite) jacks to the VIDEO jacks. If you are connecting a VCR, connect the output jacks on the VCR to the jacks marked IN (PLAY) on the receiver, and the input jacks to those marked OUT (REC).

NOTE: Keep the connecting cables for your TV, VCR, and antenna away from the power cord leading from the back of the receiver. The power cord may cause noise or screen interference. We recommend that you use coaxial cable to connect the antenna, since it is well-shielded against interference.



Camcorder Connection

Use the convenient VIDEO jacks on the front of the receiver to connect a camcorder, since a camcorder is often connected and disconnected.



Connecting Speakers

Before Starting

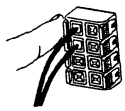
You can connect the following combinations of speakers:

- two pairs of front speakers to produce normal stereo sound
- one pair of rear speakers to produce the surround sound effect
- one center speaker for more effective Dolby surround sound

⚠ **CAUTION!** Use speakers with the impedance marked near the terminals.

Connecting Speakers

To connect each speaker, follow these steps:



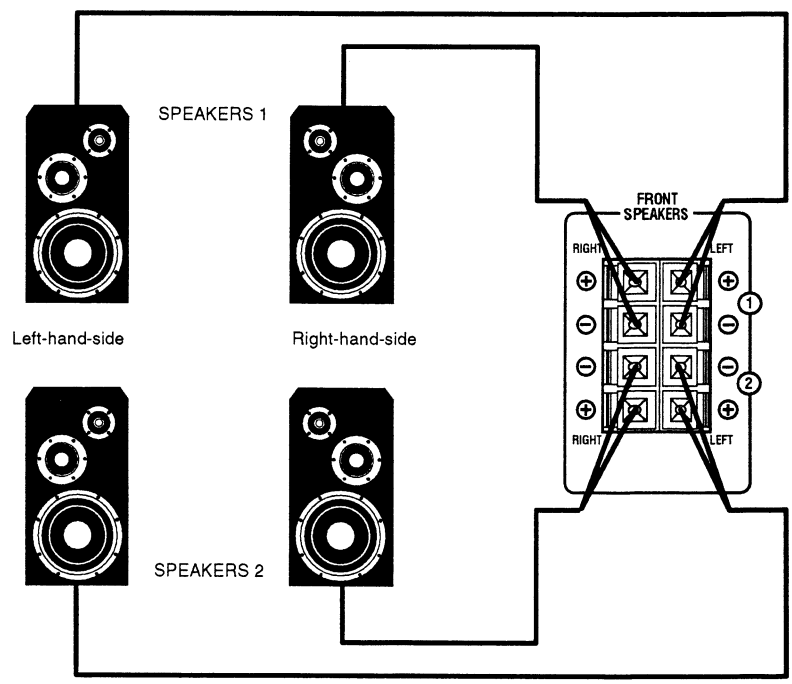
Step 1 Open each terminal on the back of the receiver and insert the end of the speaker wire, as shown.

Step 2 Close the terminals to clamp the speaker wires in place, as shown.

NOTE: Use the wire supplied with the speakers.

Connecting the Front Speakers

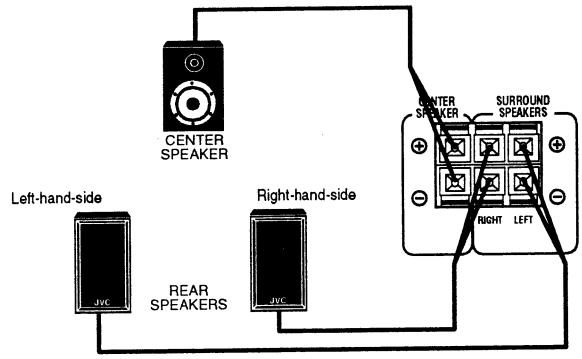
Connect the front speakers to the FRONT SPEAKERS terminals. Up to two sets of front speakers can be connected.



Connecting the Rear Speakers and Center Speaker

Connect the rear speakers to the SURROUND SPEAKERS terminals. Connect the center speaker to the CENTER SPEAKER terminals.

NOTE: It is recommended that you use an antimagnetic speaker for the center speaker. Position the center speaker near the TV monitor.

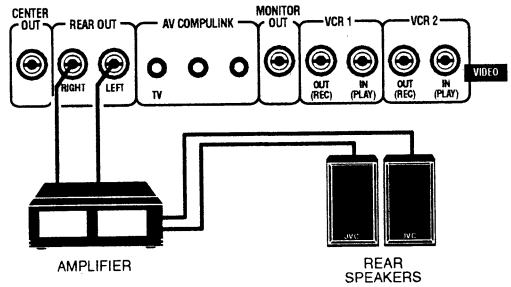


Increasing Power for the Rear Speakers

To increase power for the rear speakers, you can use a separate amplifier.

Step 1 Connect the input terminals of the power amplifier to the REAR OUT terminal on the back of the receiver.

Step 2 Connect the rear speakers to the speaker terminals of the connected amplifier.

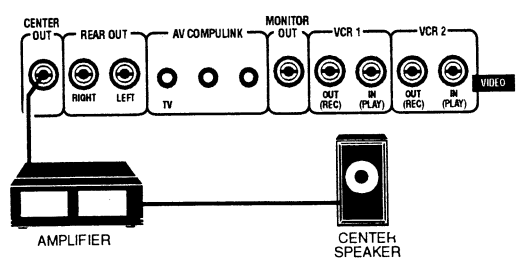


Increasing Power for the Center Speaker

For countries outside Canada: To increase power for the center speaker, you can use a separate amplifier.

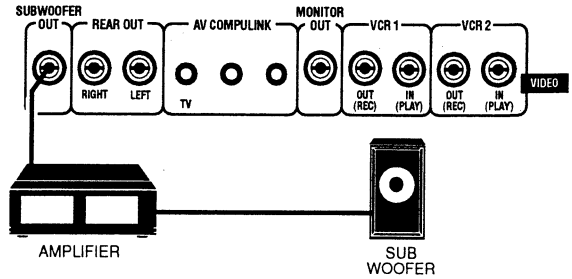
Step 1 Connect the input terminals of the power amplifier to the CENTER OUT terminal on the back of the receiver.

Step 2 Connect the center speaker to the speaker terminals of the connected amplifier.



Enhancing Lower Frequencies

For Canada: Connect the input terminal of the amplifier to the SUBWOOFER jack of the receiver. Then connect a subwoofer to the speaker terminals of the connected power amplifier.



Listening to Headphones

PHONES

Insert the headphone plug into the PHONES jack. To limit sound to the headphones (no sound from the speakers), press SPEAKER buttons 1 and 2 to deactivate all speakers.

⚠ **CAUTION!** To avoid hearing damage, turn the volume down before plugging in the headphones, then gradually increase the volume.

Connecting an AM Antenna

Before Starting

One AM loop antenna is supplied with your receiver.

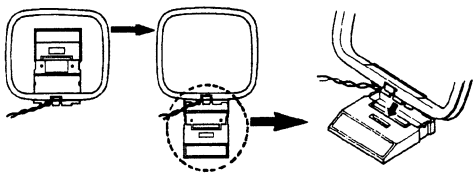
Basic Connections

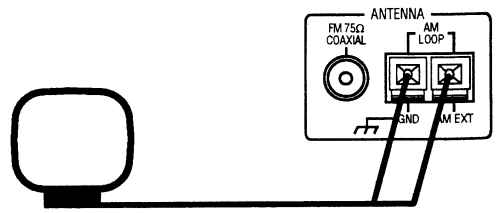
To connect the AM loop antenna to the AM LOOP terminals, follow these steps:

Step 1 Open each terminal and insert one of the two ends of the AM antenna wire.

Step 2 Close the terminals to clamp the antenna wires in place.

Step 3 Stand the AM loop antenna on its own base, as shown. Set it on any flat surface.





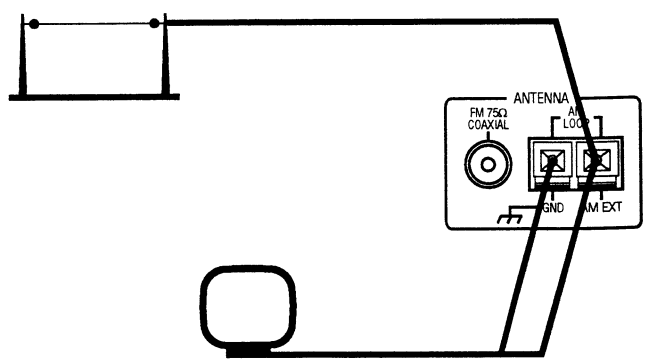
AM Outdoor Antenna

If your AM broadcast reception is unsatisfactory, you should connect an AM outdoor antenna in addition to the loop antenna. The antenna wire should be 16 to 40 feet (5 to 13 meters) long.

Connect one end of the outdoor single vinyl-covered antenna wire to the AM LOOP terminal marked AM EXT.

IMPORTANT! *The AM loop antenna must be installed to receive AM broadcasts. Do not disconnect the loop antenna when installing an outdoor antenna.*

IMPORTANT! *Except for the connection, make sure no uninsulated antenna wire touches the rear panel of the receiver. Otherwise, the receiver might not pick up AM broadcasts.*



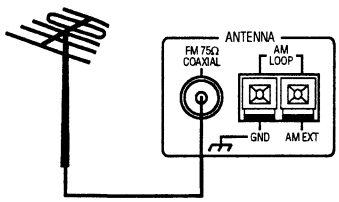
Connecting an FM Antenna

Before Starting

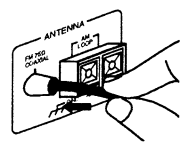
The type of terminal provided for connecting an FM antenna depends on your geographic area. Read the section below which corresponds to your area.

IMPORTANT! *Make sure the antenna conductors do not touch any other terminals on the receiver. This could cause poor reception.*

For Germany



You have two options for connecting an FM antenna. Connect the included wire antenna as shown in option ⓐ, or purchase antenna and cable with connector DIN 45332 and attach as shown in option ⓑ.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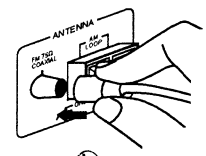
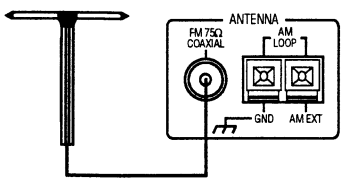
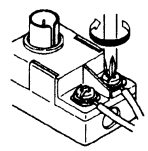

ⓑ

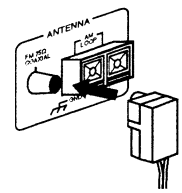
For Other European Countries

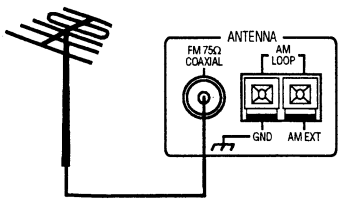


Connect the antenna cable to the FM 75Ω COAXIAL terminal using the matching transformer. You have two options — a 300-ohm feeder cable, or a 75-ohm coaxial cable.

To attach the matching transformer to the 300-ohm feeder cable, secure the two conductors to the screws of the matching transformer, as shown at the left.







To attach the matching transformer to the 75-ohm coaxial cable, follow these steps:

Step 1 Remove the cover of the matching transformer by lifting the tabs on both sides.

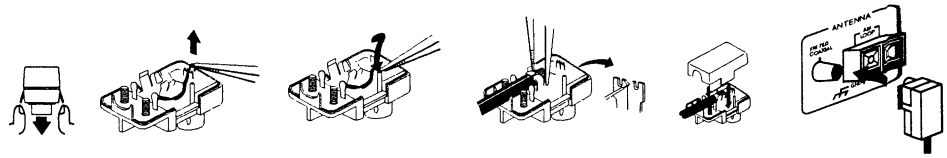
Step 2 Remove the jumper wire from the notch in the center of the fitting.

Step 3 Wind the wire securely around the plastic pole next to the fitting.

Step 4 Insert the center conductor of the coaxial cable into the notch.

Step 5 Using a pair of pliers, secure the fitting in the center of the matching transformer so that the shield braid of the coaxial cable is held tightly in the fitting.

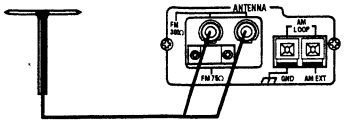
Step 6 Snap the cover back onto the matching transformer.



For Countries Outside Europe

For countries outside Europe, there are two connection types:

To connect a 300-ohm antenna, follow these steps:

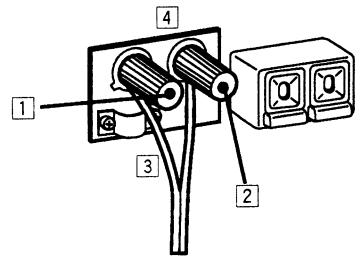


Step 1 Loosen the cap on the 300/75-ohm terminal on the back of the receiver.

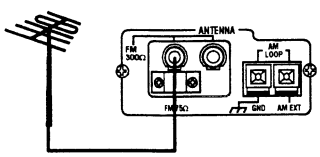
Step 2 Loosen the cap on the 300-ohm terminal on the back of the receiver.

Step 3 Connect the antenna by inserting one wire behind each cap.

Step 4 Tighten the caps on both terminals.



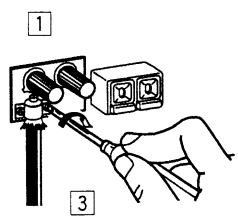
To connect a 75-ohm antenna, follow these steps:

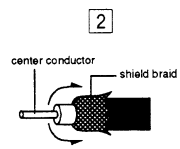


Step 1 Unscrew the cap and bracket screw on the 300/75-ohm terminal. Insert the round antenna cable from below.

Step 2 Make sure the shield braid on the cable contacts the bracket, and the center conductor of the cable contacts the 300/75-ohm terminal.

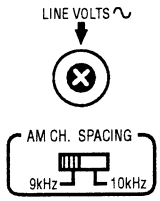
Step 3 Tighten the bracket screw and the cap on the 300/75-ohm terminal.





Connecting the Power

Before Starting



In some areas, you will find voltage selector and AM channel spacing selector switches on the back of the receiver. If your receiver has these switches, follow the instructions below to set them before connecting the power.

Voltage Selector: Using a Phillips screwdriver, adjust the voltage selector to the correct supply voltage for your area.

AM Channel Spacing Selector: Using the tip of a ballpoint pen, adjust the AM channel spacing for your area.

Connecting the Power Supply

After checking all connections, insert the power cord plug into an outlet.

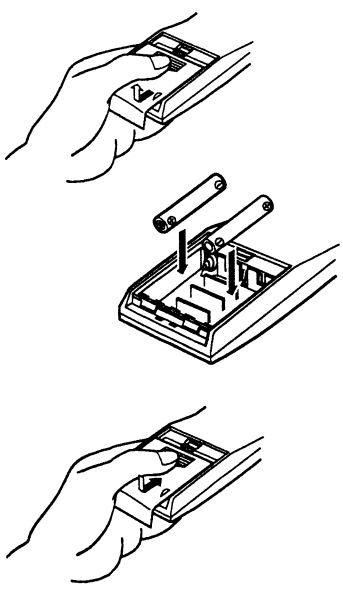
When the power supply is connected correctly, the POWER STANDBY indicator lights on the front of the receiver. A small amount of power (5 watts) is consumed under these conditions, even if the receiver is turned off. To shut off the power completely, unplug the power cord from the outlet.

⚠ **CAUTION!**

- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grasp the plug directly so as not to damage the cord.
- Do not plug the power cord into a socket until all components are connected correctly.

IMPORTANT! *If the power cord is disconnected or a power failure occurs, the receiver settings in memory are retained for 2 or 3 days.*

Inserting Batteries into the Remote Control



The remote control requires two batteries (supplied). To insert batteries, follow these steps:

Step 1 On the back side of the remote control, press down on the battery cover and slide it out.

Step 2 Insert batteries. Make sure to observe the proper polarity: (+) to (+) and (–) to (–).

Step 3 Slide the cover in.

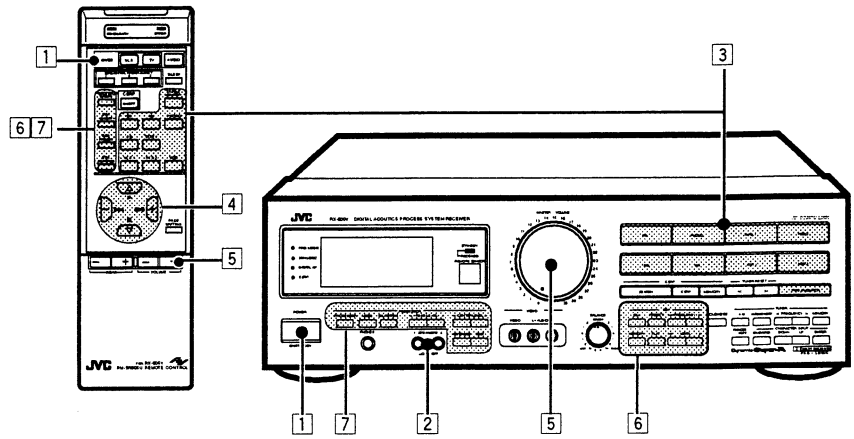
If the range or effectiveness of the remote control decreases, replace the batteries. Use two (2) AAA (24F) dry-cell batteries of the R03/UM-4 type.

⚠ **CAUTION!** Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity indicated: (+) to (+) and (–) to (–).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Operation Outline

Basic Operation Reference



IMPORTANT! *Aim the remote control at the REMOTE SENSOR window on the front panel of the receiver.*

1 Turn on the power

Push the POWER switch to turn on the receiver. The display window lights:

NOTE: Pushing the POWER switch again turns off the power and lights the STANDBY light.

2 Select speakers (page 22)

Use the SPEAKERS switch to choose between the two sets of speakers.

3 Choose a source (page 16)

Press one of the SOURCE SELECT buttons to choose a source.

4 Operate the source (page 38-44)

You can operate a JVC audio/video component using the remote control. You can also operate another manufacturer's VCR or TV using the remote control.

The remote control has two control panels. The inside panel appears when you open the outside panel. Buttons on the outside panel gives you basic and easy-to-use operations while the buttons on the inside panel give you more advanced operations and presettings.

When you press a button on the remote control, the SEND/LEARN indicator lights up in green to show that the remote control is transmitting the correct signal. If your operation is incorrect, the ERROR indicator will light.

5 Adjust volume (page 22)

To adjust volume, rotate the MASTER VOLUME control on the receiver or press the VOLUME button on the remote control.

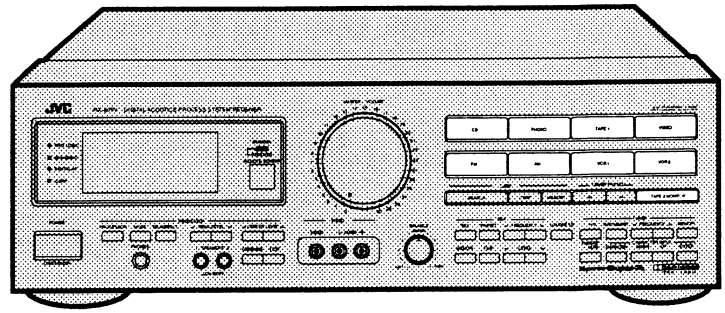
6 Adjust tone (page 23)

Use the built-in S.E.A. graphic equalizer to adjust tone.

7 Enjoy the surround sound effect (page 27)

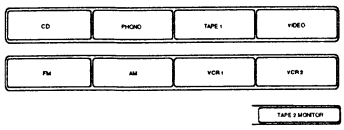
Use the built-in surround processor to obtain the desired surround sound effect.

Selecting the Source



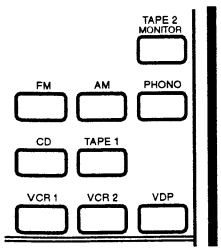
Listening or Viewing

Selecting the Source



Press one of the SOURCE buttons on the receiver or the remote control.

CD*	Listen to the CD player.
PHONO*	Listen to a record.
TAPE 1*	Listen to the tape deck connected to the TAPE 1 jacks.
VIDEO	View the camcorder connected to the VIDEO jacks.
FM*	Listen to an FM broadcast.
AM*	Listen to an AM broadcast.
VCR1	View the VCR connected to the VCR 1 jacks.
VCR2	View the VCR connected to the VCR 2 jacks.
TAPE 2 MONITOR	Listen to the tape deck connected to the TAPE 2 jacks.



IMPORTANT! *The TAPE 2 MONITOR button has a different function from other source selector buttons, because it allows you to monitor the quality of the recording. For more details, see Monitoring below.*

* ***NOTE:*** *On the remote, when you press one of the SOURCE buttons marked above with an asterisk, the receiver automatically turns ON (even if it was OFF before).*

Selecting Different Sources for Picture and Sound

To listen to another audio source while watching VCR 1, VCR 2, or VIDEO, first press either the VCR 1 or VCR 2 button. Then select one of the audio sources: CD, PHONO, TAPE 1, TAPE 2 MONITOR, FM, or AM. The picture will be combined with sound from the newly selected audio source.

Recording

The source being played is automatically selected as the source to be recorded. While recording, you can listen to the selected source at any desired volume and tone settings.

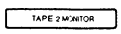
NOTE: Volume and Tone adjustments and the surround sound effect do not affect recording.

IMPORTANT! *When recording from TAPE 2 to TAPE 1, press the TAPE 2 MONITOR button and another button other than TAPE 1.*

Monitoring

Using the Monitor feature, you can compare the sound quality of the source to the sound quality of the recording being made.

To use the Monitor feature while recording onto a cassette deck connected to the TAPE 2 jacks, follow these steps:



Step 1 Press the TAPE 2 MONITOR button.

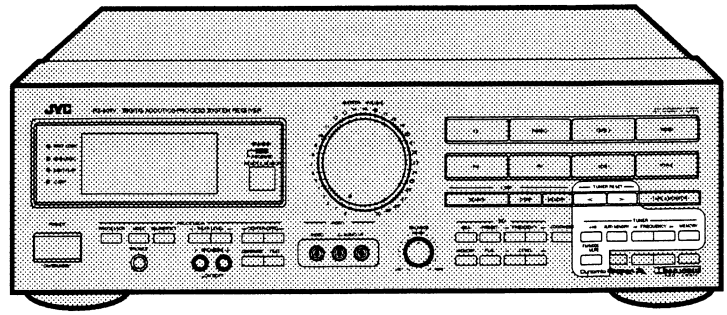
The "TAPE 2 MONITOR" light appears and you can listen to the sound of the cassette deck connected to the TAPE 2 jacks. You are now hearing the quality of the recording, not the quality of the source.

Step 2 Press the TAPE 2 MONITOR button again.

This turns off the "TAPE 2 MONITOR" light, and the speakers play the previously selected source.

NOTE: If the cassette deck has three heads, you can hear the sound of the recording at the same time as it records on the tape.

Receiving an AM/FM Broadcast

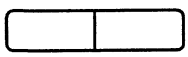


To receive an AM/FM broadcast, select either AM or FM using the AM button or FM button. Then tune to the precise frequency using the FREQUENCY buttons.

Tuning

Tune to the frequency of a desired station using the FREQUENCY buttons. Pressing the right button increases the frequency, and pressing the left button decreases the frequency. Tapping the FREQUENCY button once changes the frequency in steps.

< FREQUENCY >



On the model that can receive LW (Long-Wave) broadcasts, AM tuning will skip to the lower limit of the MW (Middle-Wave) frequencies when it reaches the upper limit of the LW frequencies, and vice versa.

There are two tuning modes: Manual and Automatic.

Manual Tuning

If you know the frequency of a desired station, hold down the FREQUENCY button to start the frequency changing quickly. Release the FREQUENCY button near the desired station and tap it repeatedly until you arrive at the correct frequency.

Automatic Tuning

If you want to scan frequencies for a desired station, hold down the FREQUENCY button to start the frequency changing quickly. When you release the FREQUENCY button, the frequency continues to change until it reaches a station.

When a station is correctly tuned, the "TUNED" light appears on the display window.

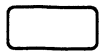
Once a tuned frequency is preset, it can be directly recalled using the TUNER PRESET buttons. For details, see pages 19-21.

NOTE: When you use automatic tuning, weak stations are ignored. To pick up weak stations, use manual tuning.

IMPORTANT! *If the receiver is tuned to a station but the "TUNED" light does not appear, try rotating the antenna for better reception.*

Selecting an FM Reception Mode

FM MODE
MUTE



Pressing the FM MODE/MUTE switch switches between these modes.

Automatic Mode

The "MUTE-AUTO" light appears in the display window. You hear either stereo sound or monaural sound, depending on the broadcast. If it is a stereo broadcast, the "STEREO" light appears. This mode is also useful for suppressing static "noise" between stations.

Monaural Mode

The "MUTE-AUTO" light disappears. You hear monaural sound even if a broadcast is in stereo. This mode is also useful when a stereo broadcast is noisy because of a weak signal.

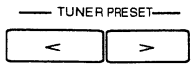
NOTE: Using the Automatic Tuning mode, the sound of a broadcast with a weak signal may be muted. In this case, select the monaural mode.

Presetting Tuned Frequencies

You can preset up to 40 radio stations by assigning channel numbers (1 through 40) to them. Once a station is preset, you can listen to it by entering the preset number. There are two ways to preset: manual or automatic.

Selecting Channel Numbers

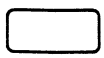
TUNER PRESET



To select numbers, use the TUNER PRESET buttons. Press > to increase the selected number, and press < to decrease the selected number.

To select numbers from 11 through 40, using the +10 button is more convenient. Each time you press the +10 button, the number will increase by a multiple of 10. Then press a number less than 10 to complete the desired number.

+10

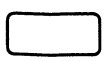


Manual Presetting

To use manual presetting to assign channel numbers to your favorite stations, follow these steps:

Step 1 Tune to a station. If necessary, follow the procedure on page 18.

MEMORY



Step 2 Press the MEMORY button.

The "MEMORY" light appears in the display window.

Step 3 Using the TUNER PRESET buttons, select a number (1 through 40), then press the MEMORY button to enter the selected number. This channel number is automatically assigned to the station.

IMPORTANT! *You must enter the channel number while the "MEMORY" light is on. You have about 5 seconds to do this. If the light disappears before you enter the channel number, press the MEMORY button again.*

Step 4 When the MEMORY light disappears and the channel number is displayed, presetting is completed.

Automatic Presetting

To use automatic presetting to preset up to 40 stations automatically, follow these steps:

Step 1 Press the SOURCE selector button to select AM or FM.

Step 2 Using the FREQUENCY buttons, move to the lowest frequency from which you want scanning to begin.

Step 3 Press the AUTO MEMORY button.

The "AUTO MEMORY" light appears in the display window.

Step 4 Using the TUNER PRESET buttons, select a channel number (1 through 40) to the first tuned station, then press the AUTO MEMORY button to enter the selected number. From that point, scanning starts and stations are assigned channel numbers in ascending order.

IMPORTANT! *You must enter the channel number while the "AUTO MEMORY" light appears. If this light disappears before you enter the channel number, press the AUTO MEMORY button again.*

Frequencies are scanned in ascending order. When a station is tuned in, scanning stops and the "TUNED" light and preset number appear. The station is preset about 4 seconds later and the "MEMORY" light appears. If you do not want to preset this station, press the AUTO MEMORY button within 4 seconds. Scanning restarts without presetting that station.

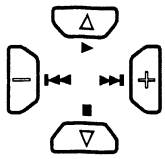
When the MEMORY light disappears, scanning continues until one of the following occurs:

- Another station is tuned in
- The upper limit of the tuning range is reached
- All 40 channel numbers have been assigned

When Auto Presetting is completed, the last preset station is received.

NOTE: *To stop scanning at any time, press any TUNER button once.*

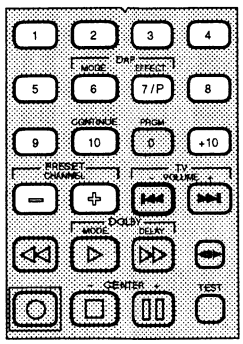
Recalling a Preset Channel



You can recall a preset channel using the remote control. There are two ways to recall: scanning to high or low channel numbers and specifying the channel number directly.

To scan to a high or low channel number, use the simple operation buttons on the outside panel of the remote control. First press the FM or AM button, then the simple operation buttons. Pressing the top * button increases the selected number. Pressing the bottom * button decreases the selected number.

To specify the channel number directly, use the extended operation buttons on the inside panel of the remote control. First press the TUNER button in the CONTROL section, then enter the channel number with the extended operation buttons. To enter numbers from 1 through 10, press the appropriate buttons. To enter numbers from 11 through 40, press the + 10 button and one other button. For example:



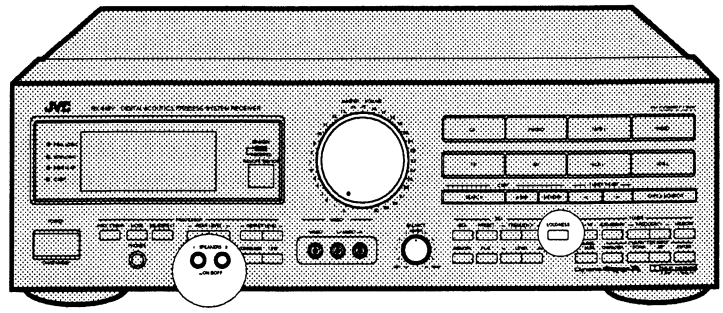
To enter 17	Press +10, then 7.
To enter 20	Press +10, then 10.
To enter 25	Press +10 twice, then 5.
To enter 40	Press +10 three times, then 10.

NOTE: *After you press the TUNER button, you can also use the PRESET CHANNEL buttons on the inside panel. Pressing the + button increases the selected number. Pressing the - button decreases the selected number.*

NOTE: *When you have already pressed the FM or AM button on the outside panel, you can use the extended operation buttons without pressing the TUNER button on the inside panel. When you have already pressed the TUNER button on the inside panel, you can use the simple operation buttons without pressing the FM or AM button on the outside panel.*

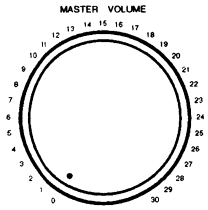
NOTE: *You can assign a title of up to five characters (for example, a station name) to each preset station (1-10). See page 34 for further details.*

Adjusting the Volume



Adjusting the Volume

Using the MASTER VOLUME Control

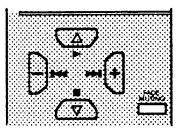


Use the MASTER VOLUME control to adjust the volume from the left and right speakers. Rotating the dial to the right increases the volume. The volume from the speakers and the headphones increases simultaneously.

NOTE: Volume can also be adjusted using the remote control. Press the VOLUME button marked + to increase the volume, or the VOLUME button marked – to decrease the volume.

⚠ **CAUTION!** Listening to extremely loud sound may damage your hearing. Be especially careful when using headphones.

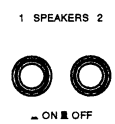
Muting the Sound



Press the FADE MUTING button on the remote control to decrease the volume easily when you receive a phone call or a visitor.

NOTE: When you press the FADE MUTING button again, the previous volume setting will return.

Selecting the Speakers



Pushing in SPEAKER button 1 or 2 activates that pair of speakers. Pressing either button again deactivates that pair of speakers. When the button is in, that pair is activated. You can listen to both pairs, pair 1, pair 2, or neither pair.

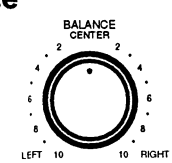
***IMPORTANT!** For Canada: If only one set of speakers is connected, pressing "in" both speaker buttons will produce no sound.*

Listening at Low Volume

Human ears are not sensitive to low-frequency sounds at low volume. To compensate for this, the loudness function automatically boosts the bass level as you lower the volume.

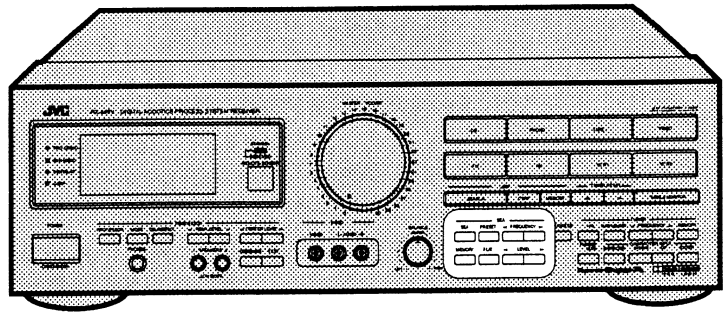
To use the loudness function, press the LOUDNESS switch. The "LOUDNESS" indicator lights in the display window. Press the switch again to turn the feature off.

Adjusting the Left-Right Balance



Use the BALANCE control to adjust the balance between the left and right channels. Rotating the dial to the right increases the right-channel volume, and rotating it to the left increases the left-channel volume. The BALANCE control affects both sets of speakers and the headphones.

Adjusting the Tone

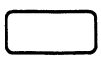


Overview

Using the S.E.A. Graphic Equalizer, you can change the tone as you desire.

Turning on the S.E.A. Graphic Equalizer

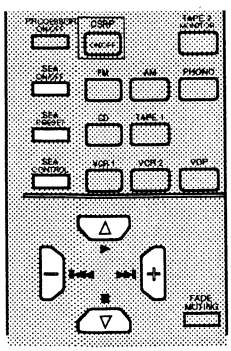
SEA



Pressing the SEA button on the receiver, or the SEA ON/OFF button on the outside panel of the remote control, activates the S.E.A. Graphic Equalizer. The Graphic Equalizer divides the audible frequency range into seven bands. You can adjust the boost/cut level of each band to get the desired sound.

IMPORTANT! *The S.E.A. Graphic Equalizer has no effect on rear and center channel sound.*

Using the Remote Control

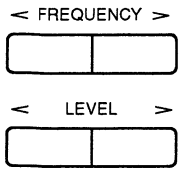


You can operate the S.E.A. graphic equalizer with the outside panel of the remote control. The figure in the left column shows the buttons which you can use to operate the graphic equalizer.

IMPORTANT! *Before using the simple operation buttons, you must press the SEA CONTROL button on the remote.*

Equalizing the Sound

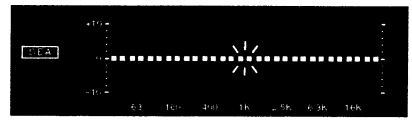
Equalizing



To equalize the sound, follow these steps:

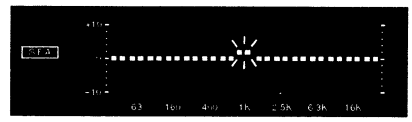
Step 1 Select a frequency range to be adjusted using the FREQUENCY buttons, or the left and right buttons of the simple operation buttons on the remote.

Center frequencies of available frequency ranges are: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, and 16 kHz. Pressing the right button switches to a higher frequency range, and pressing the left button switches to a lower frequency range.

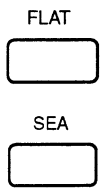


Step 2 Set the boosting or cutting level for the selected frequency range using the LEVEL buttons, or the top and bottom buttons of the simple operation buttons on the remote.

Pressing the right button boosts the range and pressing the left button cuts the range. You can boost or cut the range in 2 dB units within the range of 10dB.



Hints for Equalizing

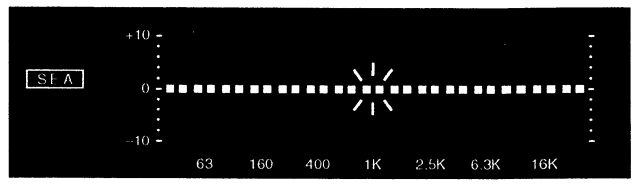


The following hints will help you to use the graphic equalizer more effectively.

To reset and begin equalizing again, press the FLAT button on the receiver.

To compare the sound processed by the S.E.A. graphic equalizer with the original sound during equalizing, press the SEA button on the receiver or the ON/OFF button on the remote. Pressing either button allows you to hear the equalized sound again.

The following illustration shows the relationships between frequency range and the effect of boosting/cutting. Refer to it when equalizing the sound.

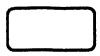


When boosted:	*heavy*	*massive*	*sharp*	*cool*
When cut:	*light*	*diminutive*	*soft*	*warm*

Using Preset Equalizing Settings

Selecting a Preset Equalizing Setting

PRESET



You can select any one of ten preset equalizing settings.

Press the PRESET button on the receiver, or the SEA PRESET button on the remote, to select one of the preset equalizing settings.

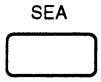
Letters A to J are assigned to preset equalizing settings. Letters A to E are assigned to user-preset settings, which you can preset to your desired equalizing settings. Letters F to J are factory-preset settings. Typical equalizing settings are preset in the factory as follows, with titles that describe their characteristics. You cannot modify these settings.

A-E	User-preset equalizing.
F - "HEAVY"	Select this setting when you want heavy sound. Both high and low frequencies are boosted.
G - "CLEAR"	Select this setting when you want clear sound. Frequencies which make the sound unclear are cut.
H - "SOFT"	Select this setting when you listen to background music at a low sound level. Rasping sound is suppressed and low frequencies are boosted.
I - "MOVIE"	Select this setting when you listen to the sound track of an old movie. The sound in the narrow frequency range can be equalized.
J - "VOCAL"	Select this setting to bring the singer's voice forward. The presence of the human voice increases.

Preset Your Equalizing Settings

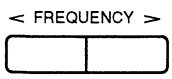
You can preset up to five equalizing settings of the S.E.A. graphic equalizer. Each equalizing setting is assigned a letter (A to E). Once an equalizing setting has been preset, you can call it directly using the PRESET button.

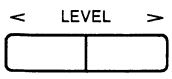
To preset your own equalizing settings, follow these steps:



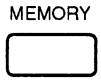
Step 1 Press the SEA button to operate the S.E.A. graphic equalizer.

The SEA light appears on the display.





Step 2 Using the FREQUENCY and LEVEL buttons, adjust the tone as desired.



Step 3 Press the MEMORY button on the receiver.

The MEMORY light blinks.

Step 4 Press the PRESET button to select the letter to be assigned to your equalizing setting.

Pressing the PRESET button repeatedly selects letters in the following order:

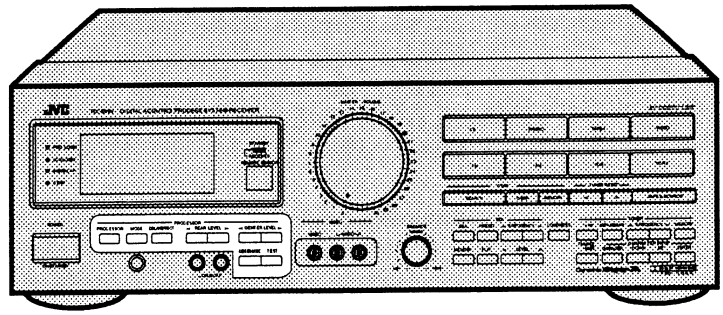
A > B > C > D > E > back to the beginning

Step 5 Press the MEMORY button again.

The MEMORY light goes off to indicate that presetting for your equalizing setting has been completed.

NOTE: You can assign a title with five or fewer characters to each preset equalizing setting. When a preset equalizing setting is called, its title appears in the display window along with its assigned letter. *See page 34.*

Using the Surround Processor

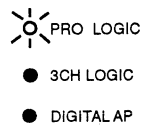


Overview

Turning on the Effect

Pressing the PROCESSOR button on the receiver, or the PROCESSOR ON/OFF button on the outside panel of the remote control, activates the surround processor. You can experiment with a variety of sources and surround sound effects.

When the surround processor is activated, one of the SURROUND indicators lights up.

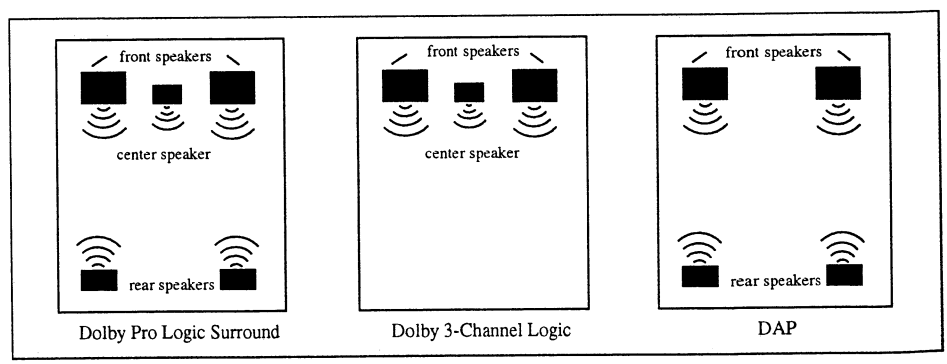


Types of Sound Effects

The surround processor provides two groups of programs for a total of 6 sound effects.

Dolby surround sound effects group: Dolby Pro Logic Surround and Dolby 3-Channel Logic. These programs replicate the sound experienced in a movie theater. For best results, Dolby Pro Logic Surround requires one center speaker and two rear speakers, in addition to the front speakers. Dolby 3-Channel Logic requires one center speaker in addition to the front speakers.

JVC's DAP (Digital Acoustics Processor) sound effect group: HALL, PAVILION, STADIUM, and LIVECLUB. These programs reproduce the acoustics of a concert venue. Each program in this group requires two rear speakers in addition to the front speakers.



What is Dolby Pro Logic Surround ?

The soundtracks of video software bearing the DOLBY SURROUND mark* include the same encoded surround information as that found in Dolby Stereo films. The Dolby Pro Logic Surround decoder is a consumer version of the decoding process used in professional Dolby Stereo equipment, and it lets you recreate the theater ambience and effects of Dolby Stereo at home.

Dolby Pro Logic Surround decoder provides these features:

- four primary sound channels – Left, Right, Surround, and additional Center channel
- adaptive matrix to actively derive each channel

The result is that Dolby Pro Logic Surround has the effect of widening the useful listening area and enhancing directional effects, while at the same time locking center channel information onscreen for the home audience.

** Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. number 3,959,590: Canadian numbers 1,004,603 and 1,037,877. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.*

What is DAP Sound Effect?

The sound we hear at a concert can be classified into the following three components:

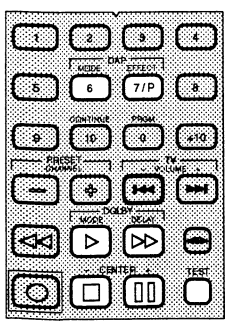
- Direct sound — Sound directly reaching the ears from the source.
- Early reflections — Sound reaching the ears after several reflections from walls and ceiling.
- Reverberations — Sound reaching the ears after many reflections.

A combination of direct sound, early reflections, and reverberations give each individual concert venue unique acoustic characteristics.

JVC measured and analysed famous concert venues around the world using JVC's advanced measurement system. Four sets of this acoustic data are stored in the DAP. DAP creates early reflections and reverberations based on the stored acoustics data and adds them to the source sound to simulate the acoustics of a specific venue.

Using the Remote Control

You can operate the surround processor with the inside panel of the remote control. The figure in the left column shows the buttons which you can use to operate the surround processor.



***IMPORTANT!** Before using the extended operation buttons, you must press the PROCESSOR button in the CONTROL section on the inside panel of the remote.*

Selecting a Sound Effect

Selecting a Program

The surround processor provides six types of sound effects.

PRO LOGIC — To play a source marked DOLBY SURROUND.

3CH LOGIC — To play a source marked DOLBY SURROUND when you are not using rear speakers.

DIGITAL AP — To play an ordinary stereo source with JVC's DAP sound effect. This brings you the effect of a live performance, as in a concert hall. The venues which can be simulated are as follows:

- "HALL" — A shoe-box type hall accommodating an audience of 2,200 in the Netherlands.
- "PAVILION" — An octagonal pavilion with a high ceiling in Japan.
- "STADIUM" — A stadium accommodating about 30,000 people.
- "LIVECLUB" — A live music club with a low ceiling in Japan.

MODE

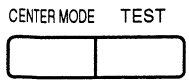
To select one of these programs, use the MODE button. The program changes each time you press the button. The program name will be shown by the combination of the SURROUND indicator and the message in the display window (shown in quotes) in the following cycle:

PRO LOGIC "DOLBY" > 3CH LOGIC "DOLBY" > DIGITAL AP "HALL" > DIGITAL AP "PAVIL" > DIGITAL AP "STDUM" > DIGITAL AP "CLUB" > begins the cycle again

NOTE: *You can also select an effect program using the remote control. To select from the Dolby sound effect group, press the DOLBY MODE button. Each time you press the button, the program alternates between PRO LOGIC and 3CH LOGIC. To select from the DAP sound effect group, press the DAP MODE button. Each time you press the button, the program changes in the following cycle:*

HALL > PAVIL > STDUM > CLUB > begins the cycle again

Selecting a Center Channel Mode



When you select the PRO LOGIC or 3CH LOGIC programs, you must also select a center channel mode. The following modes are available:

"PHANTOM" Use this mode when no center speaker is used. The entire center channel is reproduced through the front speakers. 3CH LOGIC doesn't have this mode.

"NORMAL" Use this mode when the center speaker is smaller than the front speaker. The bass frequencies in the center channel are reproduced through the front speakers.

"WIDE" Use this mode when the center speaker is as large as the front speaker. The entire center channel is reproduced through the center speaker.

"OFF" The center channel is muted.

To select one of these modes, use the CENTER MODE button on the receiver. Each time you press the button, one of the center channel modes will appear in the display window in the following cycle:

"PHANTOM" > "NORMAL" > "WIDE" > "OFF" > begins the cycle again

Adjusting the Dolby Surround Sound Effect

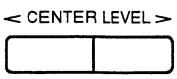
Dolby surround sound effect requires the following two adjustments to produce the maximum surround sound effect:

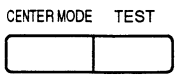
- center channel level and rear channel level
- delay time

NOTE: With conventional surround processors, you must adjust the input signal balance. The RX-809VTN/RX-808VBK, however, adjusts this balance automatically. When you set the center mode to "OFF", you can check the effect of this automatic balancing.

Adjusting Center Channel Level and Rear Channel Level

After selecting the "PRO LOGIC" program, make the following adjustments:





Step 1 Press the TEST button.

The test tone will move clockwise from speaker to speaker.

Step 2 Adjust the center channel level using the CENTER LEVEL buttons. Adjust the rear channel level using the REAR LEVEL buttons (REAR buttons on the remote control).

You can adjust these levels in 2 dB units within a range of ±20 dB. The sound levels of the left and right speakers should be the same.

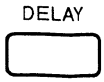
Step 3 Press the TEST button.

The test tone will cease.

NOTES:

- *If "PHANTOM" is selected as the center channel mode, the CENTER LEVEL button is disabled.*
- *When you are not using rear speakers, you can adjust the center channel level after selecting "3CH LOGIC" program. In this case, the REAR LEVEL button is disabled.*
- *It is covenient to use the remote while sitting in your listening position.*

Adjusting Delay Time



Use the DELAY TIME button (the DELAY button on the remote) to compensate for variations in the distance between your listening position and different sets of speakers. Delay time can be set in 3 steps.

"DELAY-1" When the distance to your surround speakers is greater than the distance to your main speakers.

"DELAY-2" When the distance to your surround speakers is almost equal to the distance to your main speakers.

"DELAY-3" When the distance to your surround speakers is less than the distance to your main speakers.

Adjusting the DAP Sound Effect

You can adjust the DAP sound effect in three steps. To adjust the DAP effect, follow these steps:

Step 1 Press the MODE button to select a DAP sound effect program.

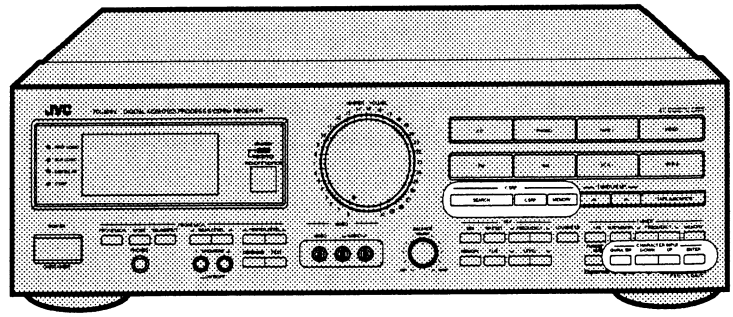
Step 2 Use the DELAY/EFFECT button (the EFFECT button on the remote) to adjust the DAP sound effect.

Each time you press the button, the setting will change as follows:

"EFFECT 1" > "EFFECT 2" > "EFFECT 3" > begins the cycle again

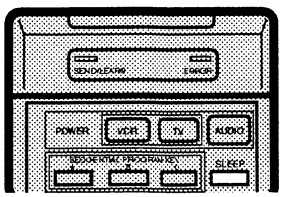
Setting to the higher value makes the effect deeper.

Using Special Features



The RX-809VTN/RX-808VBK receiver has special functions offering you more convenience.

Using the Sleep Timer



The sleep timer lets you listen to any program for up to 80 minutes before it automatically shuts off. The receiver goes back to standby mode (off) after the time period that you specify. To use the sleep timer:

Step 1 Press the SLEEP button on the remote control.

"SLEEP" appears in the display window.

IMPORTANT! *You have 5 seconds to proceed to the next step. If you wait more than 5 seconds, return to step 1.*

Step 2 Press the SLEEP button again to set the timer.

Each time you press the SLEEP button, the time limit is extended 10 more minutes. You can set up to 80 minutes.

Step 3 Stop when you reach the desired time period.

The set time indicator disappears after a few seconds. The receiver will automatically return to standby mode (off) after the time period you specified.

NOTES:

- *After setting the sleep timer, you can change sources as often as you wish within the specified time period.*
- *After setting the sleep timer, you can check the remaining time in minutes by pressing the SLEEP button. You can extend the time period further, in 10-minute increments, by pressing the SLEEP button again.*

Assigning Names

Entering Title Characters

You can assign a title of up to five characters (for example, a station name) to each preset station (1-10) and each preset equalizing setting (A-E). When a preset station is called, its title is displayed in the display window along with its channel number. When a preset equalizing setting is called, its title is displayed in the display window along with its equalizing setting.

After selecting the preset channel (1-10) or selecting the preset equalizing setting (A-E), enter title characters as follows:

CHARACTER

Step 1 Press the CHARACTER button.

The cursor appears at the first character position.

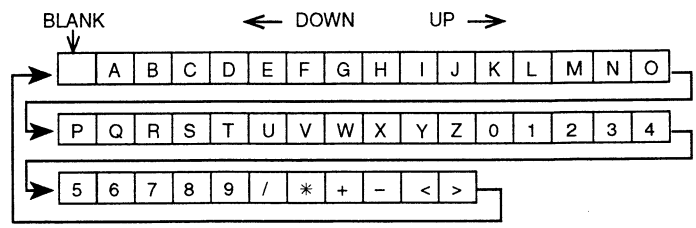
IMPORTANT! *You must press the CHARACTER button while a preset number appears. You have about 5 seconds to do this. If the cursor disappears before you press the CHARACTER button, select the preset channel or preset equalizing setting again.*

If a title has already been assigned, the first character blinks. If you are not changing this character, press the CHARACTER button.

DOWN UP

Step 2 Using the DOWN and UP buttons, select the character to be entered.

You can choose from the characters shown below. Pressing the DOWN or UP button selects the next character in the sequence.



Step 3 When the desired character appears, press the CHARACTER button.

The cursor moves to the next character position. You can enter up to four characters by repeating Steps 2 and 3.

ENTER

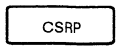
Step 4 Press the ENTER button to save the selected characters.

Using the CSRP Function

What is the CSRP Function?

The optimum settings of a sound level and tone depend on the source component conditions (for example, the cassette deck may not reproduce high frequencies as compared with the CD player) and the source contents (for example, a movie sound track or on-the-spot broadcasting of football). Accordingly, you must change settings each time you select a difference source.

The JVC CSRP (COMPU LINK Source-Related Preset) function is used to assign and preset different settings for different SOURCE SELECT buttons. Since the preset settings are called automatically each time you press a different SOURCE SELECT button, you need not make the settings again.



To use the CSRP function, press the CSRP button. CSRP indicator will turn on and stored settings on the SOURCE SELECT button currently selected are called.

IMPORTANT! *For the TAPE 2 MONITOR button, the CSRP function does not work.*

NOTE: *You can assign a different setting for each preset channel (1-10).*

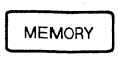
How to Preset

The following settings can be preset for each SOURCE SELECT button.

- MASTER VOLUME control setting
- LOUDNESS function on/off
- Selected Preset equalizing settings
- Surround processor settings

First, select the source using the SOURCE SELECT buttons and set the functions listed above as desired. Then follow these steps.

IMPORTANT! *When you select AM or FM as a source, you must also select a preset channel (1-10).*



Step 1 Press the MEMORY button.

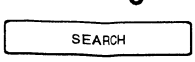
The CSRP indicator blinks.

Step 2 Press the SOURCE SELECT button which is currently selected.

IMPORTANT! *You must press the SOURCE SELECT button while the CSRP indicator blinks. You have about 5 seconds to do this. If the lights turns off before you press the SOURCE SELECT button, press the MEMORY button again.*

Searching for Your Favorite Settings

Current receiver settings are preset and you can confirm each setting in the display window.



Pressing the SEARCH button calls the settings previously assigned to each SOURCE SELECT button sequentially. The CSRP indicator will blink. This sequence continues repeatedly. When you find your favorite setting, press the SEARCH button again to stop the sequence.

Operating Source Components

Overview

The remote control supplied with the RX-809VTN/RX-808VBK enables you to control the audio and video components connected to the receiver as well as the receiver itself.

- When using a JVC component, use as is. With JVC's COMPU LINK Remote Control System and, you can operate a JVC component using this remote control. Read page 37, "COMPU LINK Remote Control System," carefully before using the remote control.

- When using another manufacuturer's component, store the remote control signals for that source component. Then, using the stored signals, you can operate the other manufacturer's component with this remote control.

The remote control also offers you another convenient feature. Three buttons in the SEQUENTIAL PROGRAM KEY section enable you to simplify the operation procedure by memorizing the order in which buttons are pressed on the remote control. You can perform many steps of a single operation with only one button.

COMPU LINK Remote Control System

COMPU LINK
Remote
Control System

The COMPU LINK remote control system interlocks the receiver with your audio components for simple operation. Connecting the COMPU LINK-3 SYNCHRO jacks on the back of the receiver will allow you to use the four functions listed in the left column.

Remote Control

You can control all components via the REMOTE SENSOR on the receiver using the receiver's remote control. For details, see page 38-40.

IMPORTANT! *Point the remote control directly at the REMOTE SENSOR on the receiver.*

Automatic Source Selection

When you *press play* on a component or the remote, the component begins playing immediately. On the other hand, if you select a *new source* on the receiver or the remote, the component begins playing immediately, but the previously selected source continues playing without sound for a few seconds.

Synchronized Recording

Synchronized recording means the tape deck starts recording as soon as a CD or record begins playing. To use synchronized recording, follow these steps:

Step 1 Put a tape in the deck, and a disc in the CD player or on the turntable.

Step 2 Press the REC and PAUSE button on the tape deck at the same time. This puts the tape deck in the REC/PAUSE state.

IMPORTANT! *If you do not press the REC button and PAUSE button together, the synchronized recording feature will not operate.*

Step 3 Press the PLAY button on the CD player or turntable.

As soon as the disc starts playing, the tape deck starts recording. When the disc ends, the tape deck switches back to the REC/PAUSE mode, and stops 4 seconds later.

NOTES:

- *During synchronized recording, the CD or PHONO button is activated. Other SOURCE buttons are disabled to prevent recording failure.*
- *If your CD player is operated in the PROGRAM mode, a 4-second mute is recorded between tracks to enable the music scan feature of your tape deck to work.*
- *If the power of any component is shut off during synchronized recording, the system will not operate properly. In this case, you must start again with step 1.*

Automatic Power ON/OFF

The CD player and cassette deck turn on and off along with the receiver. When you turn on the receiver (using either the remote or the receiver's POWER switch), the CD player or cassette deck will turn on automatically, depending which component was previously selected.

NOTE: This function has been added to COMPU LINK-3 (Enhanced COMPU LINK), an upgraded version of COMPU LINK-1. Refer to your JVC component manual for details.

Using the Remote Control

Before using the remote control, read pages 37 carefully.

Operating the Component Already Selected

Select a source with the SOURCE SELECT buttons on the remote control. Operate that source using the simple operation buttons on the outside panel or the extended operation buttons on the inside panel.

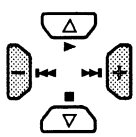
NOTE: Pressing one of the SOURCE SELECT buttons on the outside panel of the remote control changes not only the simple operation buttons on the outside panel, but also the extended operation buttons on the inside panel.

***IMPORTANT!** If you choose a source on the receiver directly, the remote control will not operate that source. To operate a source with the remote control, the source must be selected using the remote control.*

***IMPORTANT!** When you select CD or TAPE 1 from the SOURCE SELECT buttons, the component will turn on and start playing automatically.*

***IMPORTANT!** When you select TAPE 2 MONITOR or VIDEO on the remote control, the remote control will not operate that source. Operate the source directly without using the remote control.*

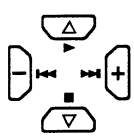
Turntable



After pressing the PHONO button, you can perform the following operations using the simple operation buttons on the outside panel:

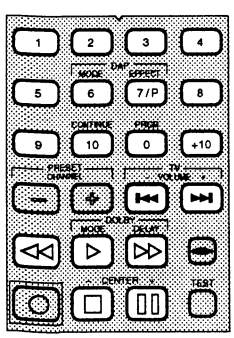
► Starts playing
■ Stops playing

CD Player



After pressing the CD button, you can perform the following operations using the simple operation buttons on the outside panel:

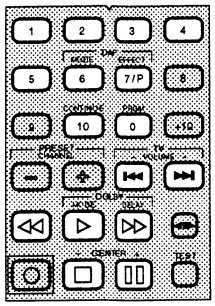
► Starts playing
■ Stops playing
|◄◄ Skips to the beginning of the previous track
►►| Skips to the beginning of the next track



When you wish to perform other operations, open the outside panel and use the extended operation buttons on the inside panel.

1-10, 0, and + 10 Select the track number
|◄◄ Skips to the beginning of the previous track
►►| Skips to the beginning of the next track
◄◄ Moves backward quickly during play
► Starts playing
►► Moves forward quickly during play
■ Stops playing
II Stops playing temporarily. To release it, press ►

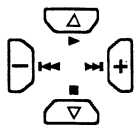
If you have a CD player-changer, press the CD DISC button in the CONTROL section on the inside panel. After pressing the CD DISC button, you can perform the following operations using the extended operation buttons on the inside panel:



1-6, 0, 7/P Selects the number of the disc installed in the CD player-changer
CONTINUE Sets the playing mode of the CD player-changer to CONTINUE mode
PRGM Set the playing mode of the CD player-changer to PROGRAM mode
⏮ Skips to the beginning of the previous track
⏭ Skips to the beginning of the next track
◀◀ Moves backward quickly during play
▶ Starts playing
▶▶ Moves forward quickly during play
■ Stops playing
⏸ Stops playing temporarily. To release it, press ▶

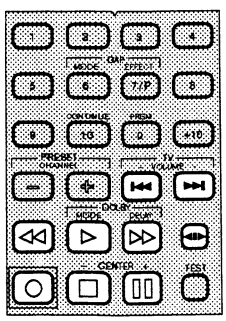
Cassette Deck

After pressing the TAPE 1 button, you can perform the following operations using the simple operation buttons on the outside panel:



▶ Starts playing
■ Stops action
◀◀ Fast winds the tape from right to left
▶▶ Fast winds the tape from left to right

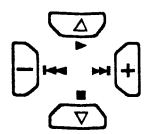
When you wish to perform other operations, open the outside panel and use the extended operation buttons on the inside panel.



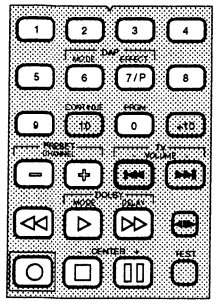
⏮ Skips to the beginning of the previous track
⏭ Skips to the beginning of the next track
◀◀ Fast wind the tape from right to left
▶ Starts playing
▶▶ Fast wind the tape from left to right
◀⏸▶ Change the direction of the tape running
○ Press together with ▶ to start recording
Press together with ⏸ to enter record-standby mode
■ Stops action
⏸ Stops playing temporarily. To release it, press ▶

VCR

After pressing either the VCR 1 or VCR 2 button, you can perform the following operations using the simple operation buttons on the outside panel:



▶ Starts playing
■ Stops action
◀◀ Rewinds video tape
▶▶ Fast winds video tape



When you wish to perform other operations, open the outside panel and use the extended operation buttons on the inside panel.

1-9 and 0	Selects the TV channel
- and +	Scans to higher or lower TV channels
◄◄	Rewinds video tape
►	Starts playing
►►	Fast winds video tape
○	Press together with ► to start recording
	Press together with II to enter record-standby mode
■	Stops action
II	Stops playing temporarily or freezes the picture. To release it, press ►

NOTE: Some JVC VCRs have two types of remote control codes for switching. With such VCRs, the VCR 1 button corresponds to remote control code "A", and the VCR 2 button corresponds to remote control code "B". If the VCRs connected to the VCR 1 and VCR 2 jacks are set for operation using different codes, they can be controlled separately using the remote control.

***IMPORTANT!** Check to be sure that the remote control code of the VCR connected to the VCR 1 jacks on the receiver is set to code A, and that the code of the VCR connected to the VCR 2 jacks on the receiver is set to code B. You cannot operate the VCR with the wrong remote control code.*

NOTE: You can also turn the VCR and TV on and off by pressing the VCR 1 or TV button in the POWER section of the remote control.

***IMPORTANT!** Aim the remote control at the VCR or TV, not at the receiver.*

Operating the Component Not Currently Selected

When you want to operate one component while listening to another component (e.g., recording from a CD), use the buttons in the CONTROL section on the inside panel of the remote control. The CONTROL buttons allow you to use the operation buttons for the new component without affecting the component already playing.

CD Player

Pressing the CD button in the CONTROL section on the inside panel of the remote control allows you to perform the same functions as pressing CD on the outside panel of the remote control.

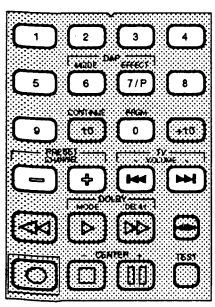
VCR

Pressing the VCR 1 button or VCR 2 button in the control section of the remote allows you to perform the same functions as pressing VCR1 or VCR 2 on the outside panel of the remote.

Cassette Deck

Pressing TAPE 1 in the CONTROL section of the remote allows you to perform the same functions as pressing TAPE 1 on the outside panel of the remote.

TV



After pressing the TV ch button in the CONTROL section on the inside panel of the remote control, you can perform the following operations on the remote:

1-9 and 0	Selects the TV channel
PRESET CHANNEL + and -	Scans to higher or lower TV channels
TV VOLUME ⏮ and ⏭	Adjusts the sound volume of the TV

Operating Other Manufacturers' Components

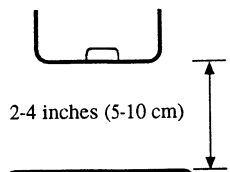
Storing the Signals

The remote control supplied with the RX-809VTN/RX-808VBK can memorize the signals from another remote control. By storing new remote control signals, you can change the preset signals of the extended operation buttons, the POWER buttons marked TV, and the POWER buttons marked VCR 1, to apply to the target component.

To store a new signal, follow these steps:

NOTE: Before starting to store, test the remote control operation using the target component's remote control to make sure it is ready.

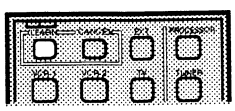
NOTE: Changing the signals of the extended operation buttons also changes the signals of the simple operation buttons. Pay special attention when storing the signal on the extended operation ◄◄ or ►► buttons for TAPE 1, VCR 1, and VCR 2. They will be used when you press the simple operation I◄◄ or ►►I buttons on the outside panel.



Step 1 Open the outside panel of the receiver's remote control.

Step 2 Place the remote control for the target component and the receiver's remote control on a level surface with the signal windows facing each other.

IMPORTANT! *Separate the two remote controls by 2 to 4 inches (5 to 10 cm). If the space is too great or too small, storing may not be carried out properly.*



Step 3 Press the LEARN button on the inside panel.

The SEND/LEARN indicator lights up.

IMPORTANT! *Do not press the button with a pointed object such as a ballpoint pen. The remote control may be damaged.*

Step 4 Press one of the CONTROL section buttons of the receiver's remote to select a mode from the extended operation buttons. Available modes are EXT, VCR 1, VCR 2, TV, CD, and TAPE 1.

NOTE: There is no preset signal for EXT mode, but after storing a signal you can use this mode.

Step 5 Press one of the extended operation buttons on which a signal is to be stored. The SEND/LEARN indicator starts to blink.

IMPORTANT! *Keep pressing the button until the storing operation is complete.*

If the ERROR indicator lights up, the button you pressed already has a signal stored in it. To erase the old signal and store the new signal, go on to the next step. To keep the old signal, press another button.

Step 6 On the other component's remote control, press the button in which you want to store an operation.

IMPORTANT! *You must press the button while the SEND/LEARN indicator is blinking. If this indicator stops blinking before you press the button, begin again from Step 4.*

After both the SEND/LEARN indicator and the ERROR indicator light up, only the ERROR indicator turns off again.

If the ERROR indicator lights up, the storing operation has not been performed correctly. Try again. If the ERROR indicator blinks, it means that further storing is inhibited. To store a new signal, you must erase some of the already stored signals.

When the storing operation is complete, both indicators turn off.

Step 7 Release the button on the receiver's remote.

The SEND/LEARN indicator lights up again. To store another signal on another button, repeat Steps 3-7.

Step 8 Press the LEARN button to finish the storing operation.

The SEND/LEARN indicator turns off.

Storing Errors

A storing operation may fail for the following reasons:

- The signal to be stored does not match this remote control. In such a case, the storing procedure fails even after three or four attempts. This remote control can memorize most infrared signals except special signals.

- The stored signal deviates slightly from the original signal. Some components will not accept control signals which deviate even slightly from the specifications. In such a case, the storing operation completes successfully, but the target component cannot be operated. Try the storing operation again.

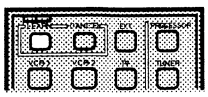
- Batteries in the other component's remote control are exhausted. Try again after replacing the batteries.

Simplifying Operation

You can program a series of steps in a specific order, a useful feature for frequently used operations. Perform the programming by pressing the SEQUENTIAL PROGRAM KEY buttons. For each SEQUENTIAL PROGRAM KEY button, you can store a program consisting of up to 16 steps.

NOTE: Depending on the type of signal to be programmed, not all steps may be programmable. When the ERROR indicator blinks three times during programming, you cannot add that step.

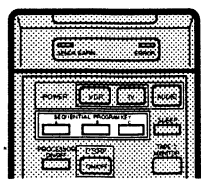
To program a sequence of operations, follow these steps:



Step 1 Press the LEARN button on the inside panel of the remote control.

The SEND/LEARN indicator lights up.

SEND/LEARN ERROR



Step 2 Close the outside panel, and press one of the SEQUENTIAL PROGRAM KEY buttons.

The SEND/LEARN indicator starts blinking.

SEND/LEARN ERROR

If the ERROR indicator lights while the SEND/LEARN indicator is blinking, it means that a programmed order is already assigned to that button. If you proceed, a new program will be appended to the old program. To assign only a new program, erase the old program by referring to the instructions on the next page. To keep the old program, wait until the blinking stops, then press another SEQUENTIAL PROGRAM KEY button.

If only the ERROR indicator lights, it means that you pressed the wrong button. Press one of the SEQUENTIAL PROGRAM KEY buttons firmly.

Step 3 Press the button you want to add as the first step of the program.

IMPORTANT! *You must keep pressing the button until adding the program is completed.*

Both the SEND/LEARN indicator and the ERROR indicator light up, then the ERROR indicator turns off. When adding is complete, the SEND/LEARN indicator turns off. If the ERROR indicator blinks, it means that further adding is inhibited. To add a new step, you must erase the old program. Refer to the next page for instructions.

Step 4 Release the button.

The SEND/LEARN indicator starts blinking again.

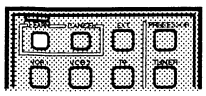
Step 5 Add the steps to the program one by one, repeating Step 3.

IMPORTANT! *You cannot add a step performed by pressing two buttons together, such as* ○ + ► or ○ + ❚❚.

IMPORTANT! *Do not add a TV operation step immediately after the step of turning on the TV. The TV operation may be ignored because the TV is not yet ready.*

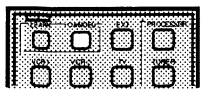
Erasing Stored Signals

To erase the stored signals or programmed steps, follow these steps:



Step 1 Press the LEARN button on the inside panel of the remote control.

The SEND/LEARN indicator lights up.



Step 2 Press the CANCEL button next to the LEARN button.

The ERROR indicator lights up.

Step 3 Press the button with programming you wish to erase.

IMPORTANT! *You must keep pressing the button until the erasing operation is complete.*

Both indicators turn off and then start blinking. If the ERROR indicator lights up, it means that the button does not have stored signals to be erased. When the erasing operation is complete, both indicators turn off again.

Step 4 Release the button.

The SEND/LEARN indicator lights up again.

Step 5 Press the LEARN button again to turn off the SEND/LEARN indicator.

IMPORTANT! *Do not remove the batteries while an erasing operation is in progress. Otherwise, the remote control may not work normally even when you reinstall the batteries, and all the programming you have done may be erased. In such a case, leave the remote control as it is for 12 hours, then repeat the programming.*

Troubleshooting

Use this chart to help you solve everyday operational problems. If there is any problem you cannot solve, contact your JVC service center.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Display window does not light up	Power cord not plugged in	Plug power cord into AC socket
No sound from speakers	Speaker wires not connected	Check speaker wiring and reconnect if necessary
	SPEAKERS buttons not set correctly	Push the SPEAKERS buttons in or out as desired
	Incorrect SOURCE SELECT button was correct	Select the correct audio source was pressed
Sound from one speaker only	Speaker wires not connected properly	Check speaker wiring and reconnect if necessary
	Balance control is set to one extreme	Adjust BALANCE control so that both speakers have sound
Continuous hiss or buzzing during FM reception	Incoming signal is too weak	Adjust antenna
	Station is too far away	Select a new station
	Incorrect antenna used	Check with your dealer to be sure you have the correct antenna
	Antenna not connected properly	Check connections
Occasional cracking noise during FM reception	Ignition noise from automobiles	Move the antenna farther from automobile traffic
Howling during record playing	Turntable too close to speaker	Move speakers away from turntable
Remote control does not work	There is an obstruction in front of the REMOTE SENSOR on the receiver	Remove the obstruction
	Batteries are weak	Replace batteries

Specifications

Amplifier

Output Power (Front Channels)	
Canada	120 watts per channel, min. RMS, both channels driven into 8 ohms from 20 Hz to 20 kHz with no more than 0.007% total harmonic distortion.
Other Countries	100 watts per channel, min. RMS, both channels driven into 4 ohms at 1 kHz with no more than 0.9% total harmonic distortion. (IEC 268-3/DIN)
	70 watts per channel, min. RMS, both channels driven into 8 ohms at 1 kHz with no more than 0.9% total harmonic distortion. (IEC 268-3/DIN)
Output Power (Center channel)	
Canada	65 watts, min. RMS, into 8 ohms at 1KHz, with no more than 0.7% total harmonic distortion
Other Countries	40 watts, min. RMS, into 8 ohms at 1KHz, with no more than 0.7% total harmonic distortion
Output Power (Rear channel)	
Canada	20 watts per channel, min. RMS, both channels driven into 8 ohms at 1KHz, with no more than 0.7% total harmonic distortion
Other Countries	15 watts per channel, min. RMS, both channels driven into 8 ohms at 1KHz, with no more than 0.7% total harmonic distortion
Total Harmonic Distortion (8 ohms, 1 kHz)	
Canada	0.007 %* at 120 watts output
Other Countries	0.007 %* at 65 watts output
Frequency Response (8 ohms)	
PHONO (RIAA Equalization)	20 Hz to 20 kHz (±0.5 dB)
CD / TAPE 1 / TAPE 2 / VCR 1 / VCR 2 / VIDEO	5 Hz to 50 kHz (+0, –1 dB)
Signal-to-Noise Ratio ('66 IHF / DIN)	
PHONO	71 dB / 66 dB (REC OUT)
CD / TAPE 1 / TAPE 2 / VCR 1 / VCR 2 / VIDEO	100 dB / 67 dB

Audio I / O Terminals

Input Sensitivity / Impedance (1 kHz)	
PHONO	2.5 mV / 47 k ohms
CD / TAPE 1 / TAPE 2 / VCR 1 / VCR 2 / VIDEO	230 mV / 47 k ohms
Output Level	
TAPE 1 / TAPE 2 / VCR 1 / VCR 2	230 mV

Video I / O Terminals

Input Sensitivity/Impedance	
VCR 1, VCR 2, VIDEO	1 Vp-p / 75 ohms
Output Level	
VCR 1, VCR 2, MONITOR OUT	1 Vp-p (at 1 Vp-p input)
Synchronization	negative
Signal to Noise Ratio	45 dB
Crosstalk	45 dB (3.58 MHz)

SEA Graphic Equalizer

Center Frequencies	63, 160, 400, 1k, 2.5k, 6.3k, 16k (Hz)
Control Range	±10 dB

FM Tuner

Tuning Range	87.5 MHz to 108.0 MHz
Usable Sensitivity	10.8 dBf (0.95 µV / 75 ohms)
50 dB Quieting Sensitivity	
Monaural	16.3 dBf (1.8 µV / 75 ohms)
Stereo	38.3 dBf (22.5 µV / 75 ohms)
Signal-to-Noise Ratio (IHF-A weighted/DIN)	
Monaural	80 dB at 85 dBf / 72 dB at 85 dBf
Stereo	73 dB at 85 dBf / 64 dB at 85 dBf
Total Harmonic Distortion (IHF/DIN)	
Monaural	0.15 % at 1 kHz / 0.1% at 1 kHz
Stereo	0.2 % at 1 kHz / 0.3% at 1 kHz
Stereo Separation at REC OUT	40 dB at 1 kHz
Capture Ratio (IHF)	1.5 dB (10 mV / 300 ohms)
Alternate Channel Selectivity (IHF/DIN)	60 dB (±400 kHz) / 55 dB (±300 kHz)
Frequency Response	30 Hz to 15 kHz (+0.5 dB, –3 dB)

AM Tuner

Tuning Range	
Canada	530 kHz to 1,710 kHz
U.K. and Continental Europe	522 kHz to 1,629 kHz (MW) 144 kHz to 353 kHz (LW)
Australia	522 kHz to 1,629 kHz
Other Countries	531 kHz to 1,602 kHz / 530 kHz to 1,600 kHz (selectable)
Usable Sensitivity (MW/LW)	
Loop Antenna	300 µV/m / 600 µV/m **
External Antenna	30 µV / 100 µV **
Signal-to-Noise Ratio (MW/LW)	50 dB ** (100 mV / m)

General

Power Requirements	
Canada	AC 120V ∿, 60 Hz
Europe (except U.K.)	AC 230V ∿, 50 Hz
U.K. and Australia	AC 240V ∿, 50 Hz
Other Countries	AC 110V/127V/220V/240V ∿, 50/60 Hz
Power Consumption	
Canada	400 watts, 545 VA
Europe (except U.K.)	330 watts
U.K. and Australia	695 watts
Other Countries	330 watts
Dimensions (W x H x D)	17-3/16 x 6-3/16 x 15-5/8 inches 435 x 156 x 396 mm
Weight	25 lbs 11.3 kg

* Measured by JVC Audio Analysis System.
** Measured at 1000 kHz or 999 kHz (MW), at 245 kHz (LW)

Designs and specifications subject to change without notice.